Edward Wylegala

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

111 papers	1,495 citations	19 h-index	34 g-index
135 ext. papers	1,803 ext. citations	3.1 avg, IF	4.83 L-index

#	Paper	IF	Citations
111	Mechanisms of the blood-brain barrier disruption in HIV-1 infection. *Cellular and Molecular Neurobiology*, **2005**, 25, 181-99	4.6	175
110	Phase II Randomized, Double-Masked, Vehicle-Controlled Trial of Recombinant Human Nerve Growth Factor for Neurotrophic Keratitis. *Ophthalmology*, **2018**, 125, 1332-1343	7.3	122
109	Anterior segment imaging: Fourier-domain optical coherence tomography versus time-domain optical coherence tomography. *Journal of Cataract and Refractive Surgery*, **2009**, 35, 1410-4	2.3	74
108	Comparison of three intraocular pressure measurement methods including biomechanical properties of the cornea **2014**, 55, 666-73		59
107	Hydrogel membranes based on genipin-cross-linked chitosan blends for corneal epithelium tissue engineering. *Journal of Materials Science: Materials in Medicine*, **2012**, 23, 1991-2000	4.5	57
106	Optical coherence angiography: A review. *Medicine (United States)*, **2016**, 95, e4907	1.8	55
105	Involvement of genetic factors in the response to a variable-dosing ranibizumab treatment regimen for age-related macular degeneration. *Molecular Vision*, **2010**, 16, 2598-604	2.3	53
104	ERK 1/2 signaling pathway is involved in nicotine-mediated neuroprotection in spinal cord neurons. *Journal of Cellular Biochemistry*, **2007**, 100, 279-92	4.7	52
103	Management of pseudophakic bullous keratopathy by combined Descemet-stripping endothelial keratoplasty and intraocular lens exchange. *Journal of Cataract and Refractive Surgery*, **2008**, 34, 1708-14	2.3	43
102	Phase I Trial of Recombinant Human Nerve Growth Factor for Neurotrophic Keratitis. *Ophthalmology*, **2018**, 125, 1468-1471	7.3	39
101	Cultivated Oral Mucosa Epithelium in Ocular Surface Reconstruction in Aniridia Patients. *BioMed Research International*, **2015**, 2015, 281870	3	30
100	Limbal stem cells transplantation in the reconstruction of the ocular surface: 6 years experience. *European Journal of Ophthalmology*, **2008**, 18, 886-90	1.9	29
99	Selected parameters of the corneal deformation in the Corvis tonometer. *BioMedical Engineering OnLine*, **2014**, 13, 55	4.1	25
98	2018 Guidelines on the management of diabetic patients. A position of Diabetes Poland. *Clinical Diabetology*, **2018**, 7, 1-90	2	25
97	Fully automatic algorithm for the analysis of vessels in the angiographic image of the eye fundus. *BioMedical Engineering OnLine*, **2012**, 11, 35	4.1	24
96	2019 Guidelines on the management of diabetic patients. A position of Diabetes Poland. *Clinical Diabetology*, **2019**, 8, 1-95	2	23
95	Automatic analysis of selected choroidal diseases in OCT images of the eye fundus. *BioMedical Engineering OnLine*, **2013**, 12, 117	4.1	21

94	Monitoring cornea and graft morphometric dynamics after descemet stripping and endothelial keratoplasty with anterior segment optical coherence tomography. *Cornea*, **2010**, 29, 272-7	3.1	21
93	Phenotype-genotype correlation in patients with Schnyder corneal dystrophy. *Cornea*, **2014**, 33, 497-503	3.1	20
92	A quantitative method for assessing the quality of meibomian glands. *Computers in Biology and Medicine*, **2016**, 75, 130-8	7	19
91	PAX6 Mutational Status Determines Aniridia-Associated Keratopathy Phenotype. *Ophthalmology*, **2020**, 127, 273-275	7.3	19
90	Evaluation of the efficacy, safety, and acceptability of an eyelid warming device for the treatment of meibomian gland dysfunction. *Clinical Ophthalmology*, **2014**, 8, 2019-27	2.5	18
89	CO laser-assisted sclerectomy surgery compared with trabeculectomy in primary open-angle glaucoma and exfoliative glaucoma. A 1-year follow-up. *Acta Ophthalmologica*, **2018**, 96, e582-e591	3.7	17
88	Phenotype and genotype analysis in patients with macular corneal dystrophy. *British Journal of Ophthalmology*, **2014**, 98, 1514-21	5.5	16
87	Clinical, confocal, and morphological investigations on the cornea in human mucopolysaccharidosis IH-S. *Cornea*, **2014**, 33, 35-42	3.1	16
86	Effectiveness of the soft-shell technique in patients with FuchsTendothelial dystrophy. *Journal of Cataract and Refractive Surgery*, **2007**, 33, 1907-12	2.3	16
85	Arachidonic acid increases choline acetyltransferase activity in spinal cord neurons through a protein kinase C-mediated mechanism. *Journal of Neurochemistry*, **2004**, 90, 629-36	6	16
84	Corneal Structural Changes in Nonneoplastic and Neoplastic Monoclonal Gammopathies **2016**, 57, 2657-65		16
83	Corneal confocal sub-basal nerve plexus evaluation: a review. *Acta Ophthalmologica*, **2018**, 96, 232-242	3.7	15
82	Comparative Study of Anterior Eye Segment Measurements with Spectral Swept-Source and Time-Domain Optical Coherence Tomography in Eyes with Corneal Dystrophies. *BioMed Research International*, **2015**, 2015, 805367	3	15
81	Early phenotypic features of aniridia-associated keratopathy and association with PAX6 coding mutations. *Ocular Surface*, **2020**, 18, 130-140	6.5	15
80	Differences in Surgical Management of Corneal Perforations, Measured over Six Years. *Journal of Ophthalmology*, **2017**, 2017, 1582532	2	13
79	Macular corneal dystrophy: in vivo confocal and structural data. *Ophthalmology*, **2014**, 121, 1164-73	7.3	13
78	Reproducibility, and repeatability of corneal topography measured by Revo NX, Galilei G6 and Casia 2 in normal eyes. *PLoS ONE*, **2020**, 15, e0230589	3.7	13
77	Quantitative assessment of responses of the eyeball based on data from the Corvis tonometer. *Computers in Biology and Medicine*, **2015**, 58, 91-100	7	11

76	A69S and R38X ARMS2 and Y402H CFH gene polymorphisms as risk factors for neovascular age-related macular degeneration in Poland - a brief report. *Medical Science Monitor*, **2012**, 18, PR1-3	3.2	11
75	Long-term results of excimer laser procedure to correct astigmatic refractive errors. *Medical Science Monitor*, **2013**, 19, 927-33	3.2	11
74	Cytoarchitecture of epithelial inflammatory infiltration indicates the aetiology of infectious keratitis. *Acta Ophthalmologica*, **2017**, 95, 405-413	3.7	10
73	Total Penetrating Keratoplasty: Indications, Therapeutic Approach, and Long-Term Follow-Up. *Journal of Ophthalmology*, **2018**, 2018, 9580292	2	10
72	Metabolic profile of keratoconic cornea. *Current Eye Research*, **2013**, 38, 305-9	2.9	10
71	Stage-related central corneal epithelial transformation in congenital aniridia-associated keratopathy. *Ocular Surface*, **2018**, 16, 163-172	6.5	10
70	Methods of measuring the iridocorneal angle in tomographic images of the anterior segment of the eye. *BioMedical Engineering OnLine*, **2013**, 12, 40	4.1	9
69	NMR spectroscopy of human eye tissues: a new insight into ocular biochemistry. *Scientific World Journal, The*, **2014**, 2014, 546192	2.2	9
68	Aflibercept Treatment Leads to Vascular Abnormalization of the Choroidal Neovascularization. *Journal of Healthcare Engineering*, **2018**, 2018, 8595278	3.7	9
67	Amniotic Membrane as a Main Component in Treatments Supporting Healing and Patch Grafts in Corneal Melting and Perforations. *Journal of Ophthalmology*, **2020**, 2020, 4238919	2	8
66	Measurements of Corneal Thickness in Eyes with Pseudoexfoliation Syndrome: Comparative Study of Different Image Processing Protocols. *Journal of Healthcare Engineering*, **2017**, 2017, 4315238	3.7	8
65	Donor disc attachment assessment with intraoperative spectral optical coherence tomography during descemet stripping automated endothelial keratoplasty. *Indian Journal of Ophthalmology*, **2013**, 61, 511-3	1.6	8
64	Comparison of foveal avascular zone and retinal vascular density in healthy Chinese and Caucasian adults. *Acta Ophthalmologica*, **2020**, 98, e464-e469	3.7	8
63	Changes in Technique and Indications for Keratoplasty in Poland, 1989 to 2014: An Analysis of Corneal Transplantations Performed at Saint Barbara Hospital, Trauma Center, Sosnowiec, Poland. *Transplantation Proceedings*, **2016**, 48, 1818-23	1.1	8
62	Scheimpflug Camera and Swept-Source Optical Coherence Tomography in Pachymetry Evaluation of Diabetic Patients. *Journal of Ophthalmology*, **2019**, 2019, 4532657	2	7
61	Metabolomic Signature Discriminates Normal Human Cornea from Keratoconus-A Pilot GC/MS Study. *Molecules*, **2020**, 25,	4.8	7
60	Photodynamic therapy in VEGF inhibition non-responders-Pharmacogenetic study in age-related macular degeneration assessed with swept-source optical coherence tomography. *Photodiagnosis and Photodynamic Therapy*, **2016**, 13, 108-113	3.5	7
59	Comparative Confocal and Histopathological Study of Corneal Changes in Multiple Myeloma. *Cornea*, **2017**, 36, 123-126	3.1	7

58	Genotype-phenotype correlation of TGFBI corneal dystrophies in Polish patients. *Molecular Vision*, **2011**, 17, 2333-42	2.3	7
57	Usefulness of anterior segment optical coherence tomography in Descemet membrane detachment. *European Journal of Ophthalmology*, **2009**, 19, 723-8	1.9	7
56	Disease aetiology-based design of multifunctional microemulsion eye drops for moderate or severe dry eye: a randomized, quadruple-masked and active-controlled clinical trial. *Acta Ophthalmologica*, **2020**, 98, 244-254	3.7	6
55	Retinal OCT Findings in Patients after COVID Infection. *Journal of Clinical Medicine*, **2021**, 10,	5.1	6
54	Application of autologous cultivated corneal epithelium for corneal limbal stem cell insufficiency--short-term results. *Klinika Oczna*, **2011**, 113, 346-51	0.5	6
53	Corneal Epithelial Scaffolds Based on Chitosan Membranes Containing Collagen and Keratin. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2015**, 64, 140-148	3	5
52	Comparison of the selected parameters of the anterior segment of the eye between femtosecond laser-assisted cataract surgery, microincision cataract surgery, and conventional phacoemulsification: A case-control study. *Medicine (United States)*, **2019**, 98, e18340	1.8	5
51	Structural, ultrastructural, and morphometric study of the zebrafish ocular surface: a model for human corneal diseases?. *Current Eye Research*, **2018**, 43, 175-185	2.9	5
50	New insight into the shortening of the collagen fibril D-period in human cornea. *Journal of Biomolecular Structure and Dynamics*, **2017**, 35, 551-563	3.6	4
49	Acute macular edema and serous detachment on the first day after phacoemulsification surgery: A case report. *American Journal of Ophthalmology Case Reports*, **2020**, 20, 100905	1.3	4
48	Silicone-Modified Chitosan Membranes for Corneal Epithelium Tissue Engineering. *Journal of Biomaterials and Tissue Engineering*, **2018**, 8, 374-383	0.3	4
47	Trends in optical coherence tomography angiography use in university clinic and private practice setting between 2014-2018. *Expert Review of Medical Devices*, **2020**, 17, 1109-1113	3.5	4
46	Comparison of the Techniques of Secondary Intraocular Lens Implantation after Penetrating Keratoplasty. *Journal of Ophthalmology*, **2018**, 2018, 3271017	2	4
45	Long-Term Outcomes of Allogeneic Ocular Surface Reconstruction: Keratolimbal Allograft (KLAL) Followed by Penetrating Keratoplasty (PK). *Journal of Ophthalmology*, **2020**, 2020, 5189179	2	3
44	A new algorithm and problems in automatic anterior eye chamber volume determining. *Computers in Biology and Medicine*, **2014**, 52, 144-52	7	3
43	Monitoring of photodynamic therapy results in age-related macular degeneration by means of preferential hyperacuity perimeter. *European Journal of Ophthalmology*, **2007**, 17, 768-75	1.9	3
42	Cultivated oral mucosa epithelium transplantation (COMET) in bilateral limbal stem cell deficiency. *Acta Ophthalmologica*, **2011**, 89, 0-0	3.7	3
41	Longitudinal observation of the retinal nerve fibre layer in glaucoma patients treated with brimonidine combined with timolol or timolol alone **2017**, 2, 13-16		3

40	Comparison of Long-Term Outcomes of the Lamellar and Penetrating Keratoplasty Approaches in Patients with Keratoconus. *Journal of Clinical Medicine*, **2021**, 10,	5.1	3
39	Diabetic Macular Edema Treatment with Bevacizumab Does Not Depend on the Retinal Nonperfusion Presence. *Journal of Diabetes Research*, **2021**, 2021, 6620122	3.9	3
38	Raman Spectroscopic Study of Amyloid Deposits in Gelatinous Drop-like Corneal Dystrophy.. *Journal of Clinical Medicine*, **2022**, 11,	5.1	3
37	A novel proteotoxic stress associated mechanism for macular corneal dystrophy. *Histology and Histopathology*, **2015**, 30, 921-30	1.4	3
36	Treatment of conjunctival papilloma with topical interferon alpha-2b - case report. *Medicine (United States)*, **2020**, 99, e19181	1.8	2
35	Evaluation of EX-PRESS glaucoma implant in elderly diabetic patients after 23G vitrectomy. *Clinical Interventions in Aging*, **2017**, 12, 653-658	4	2
34	Quantitative measurement of pseudoexfoliation in the anterior segment of the eye performed in visible light. *BioMedical Engineering OnLine*, **2013**, 12, 74	4.1	2
33	Traumatic cataract in patient with anterior megalophthalmos: Case report. *Medicine (United States)*, **2017**, 96, e7160	1.8	2
32	A single-centre retrospective observational study of fungal keratitis in Poland with a review of findings in Europe. *Annals of Agricultural and Environmental Medicine*, **2020**, 27, 343-347	1.4	2
31	Alteration of Blinking and Sex Differences During Physical Exercise Affect Tear Osmolarity. *Journal of Human Kinetics*, **2019**, 67, 143-151	2.6	2
30	Corneal Degenerations. *Oxidative Stress in Applied Basic Research and Clinical Practice*, **2015**, 23-38		2
29	Repeatability, reproducibility, and comparison of ocular biometry using a new optical coherence tomography-based system and another device. *Scientific Reports*, **2020**, 10, 14440	4.9	2
28	In Vivo Confocal Microscopy and Anterior Segment Optical Coherence Tomography Analysis of the Microcystic Keratitis. *Journal of Ophthalmology*, **2020**, 2020, 8871904	2	2
27	Swept Source Optical Coherence Tomography Analysis of the Selected EyeЄs Anterior Segment Parameters. *Journal of Clinical Medicine*, **2021**, 10,	5.1	2
26	The Influence of Work Environment Factors on the OcularSurface in a One-Year Follow-Up Prospective Clinical Study. *Diagnostics*, **2021**, 11,	3.8	2
25	Culture morphology of the autologous cultivated corneal epithelium. *Klinika Oczna*, **2011**, 113, 249-53	0.5	2
24	The Effectiveness of Brolucizumab and Aflibercept in Patients with Neovascular Age-Related Macular Degeneration.. *International Journal of Environmental Research and Public Health*, **2022**, 19,	4.6	2
23	Assessment of visual evoked potentials in patients eligible for penetrating keratoplasty. *Medicine (United States)*, **2018**, 97, e9861	1.8	1

22	An Analysis of the Progression of Conjunctivalisation after Transplantation of Cultivated Corneal Epithelium. *Journal of Ophthalmology*, **2021**, 2021, 8499640	2	1
21	Pars Plana Vitrectomy Foreign Body Extraction Assisted With a 24-Gauge Needle Tunnel. *Ophthalmic Surgery Lasers and Imaging Retina*, **2004**, 35, 70-73	1.4	1
20	Impact of ultrasound and optical biometry on refractive outcomes of cataract surgery after penetrating keratoplasty in keratoconus. *International Journal of Ophthalmology*, **2019**, 12, 949-953	1.4	1
19	Assessment of Vascular Changes in Patients after Pars Plana Vitrectomy Surgery Due to Macula-Off Rhegmatogenous Retinal Detachment. *Journal of Clinical Medicine*, **2021**, 10,	5.1	1
18	Automatic Measuring of the Iridocorneal Angle in the Optical Coherence Tomographic Image of the Anterior Segment of the Eye. *Advances in Intelligent and Soft Computing*, **2010**, 175-182		1
17	The Influence of Ultrasound Ciliary Plasty on Corneal Parameters. *Journal of Glaucoma*, **2020**, 29, 899-904	4.1	1
16	Assessment of Scleral and Conjunctival Thickness of the Eye after Ultrasound Ciliary Plasty. *Journal of Ophthalmology*, **2020**, 2020, 9659014	2	1
15	Iris-Claw Intraocular Lens Implantation in Various Clinical Indications: A 4-Year Study. *Journal of Clinical Medicine*, **2021**, 10,	5.1	1
14	Corneal complication after femtosecond laser-assisted cataract surgery: A case report. *Medicine (United States)*, **2021**, 100, e24013	1.8	1
13	Anti-vascular endothelial growth factor and macular atrophy: an unanswered question. *Annals of Eye Science*, **2018**, 3, 61-61	0.9	1
12	The CLASS Surgical Site Characteristics in a Clinical Grading Scale and Anterior Segment Optical Coherence Tomography: A One-Year Follow-Up. *Journal of Healthcare Engineering*, **2018**, 2018, 5909827	3.7	1
11	Comparative analysis of measurements of the anterior segment and the axial length parameters of the eyeball obtained with optical and ultrasound technique. *Expert Review of Medical Devices*, **2021**, 1-9	3.5	0
10	Comment on: Optical Coherence Tomography Angiography Features in Post-COVID-19 Pneumonia Patients: A Pilot Study. *American Journal of Ophthalmology*, **2021**,	4.9	0
9	Response to 1-Year Fixed-Regimen Bevacizumab Therapy in Treatment-Naïve DME Patients: Assessment by OCT Angiography.. *Journal of Diabetes Research*, **2022**, 2022, 3547461	3.9	0
8	Assessment of the Retinal Vessels in Keratoconus: An OCT Angiography Study. *Journal of Clinical Medicine*, **2022**, 11, 2960	5.1	0
7	Atypical regressive corneal endothelial cysts in long-term confocal follow-up: a case report. *Medicine (United States)*, **2015**, 94, e564	1.8	
6	Does Oxygen Uptake Before Physical Exercise Affect Tear Osmolarity?. *Journal of Human Kinetics*, **2020**, 73, 297-304	2.6	
5	Experimental glaucoma model in two lines of rats using polystyren microspheres (Bead Model). *Acta Ophthalmologica*, **2012**, 90, 0-0	3.7	

4	Seven-Year Analysis of Microbial Keratitis Tendency at an Ophthalmology Department in Poland: A Single-Center Study. *Journal of Ophthalmology*, **2020**, 2020, 8851570	2
3	Detailed corneal and genetic characteristics of a pediatric patient with macular corneal dystrophy - case report. *BMC Ophthalmology*, **2021**, 21, 285	2.3
2	Postnatal evolution of the ciliary processes in the gerbil (Meriones unguiculatus): a structural, ultrastructural and morphometric study. *Zoomorphology*, **2018**, 137, 201-211	1
1	Long-term results of Boston keratoprosthesis surgery in Polish patients. *Postepy Higieny I Medycyny Doswiadczalnej*, **2022**, 76, 1-10	0.3